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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.			1740-000024/US
First Inventor Kan			g Soo SEO
Title	MANAG REPRO	MEDIUM HAVING DATA STRUCTURE FOR REPRODUCTION OF INTERLEAVED MULTIPLE ION PATH VIDEO DATA RECORDED THEREON AND AND REPRODUCING METHODS AND FS	

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

			<u> </u>						
	APPL	MENTS	Commissioner for Patents  ADDRESS TO: Box Patent Application  ADDRESS TO: Box Patent Application  ADDRESS TO: Box Patent Application						
See MPEP o	hapter 600 conce	eming utility patent a	oplication contents.	P.O. Box 1450  Alexandria, VA 22313-1450					
2. A S S (4)	Submit an original ar Applicant claims See 37 CFR 1.2 Specification preferred arrange. Descriptive title of Cross Reference Statement Regar Reference to seq or a computer pro Background of th Brief Summary of Brief Description Detailed Descript Claim(s)	[To: ment set forth below, f the Invention s to Related Applicat ding Fed sponsored uence listing, a table ogram listing append e Invention i the Invention of the Drawings ( if fi	cessing) s. tal Pages 30 ions R & D	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATIONS PARTS  9. Assignment Papers (cover sheet & document(s))  10. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee)  Attorney					
•	Abstract of the Di	isclosure		11. 🗆	English Tr	anslat	tion Docum	nent (if applicable)	
5. Oath or I		[Tol	tal Sheets 8 ] tal Pages 3 ]	12. <b>1</b>	Statement (IDS)/PTO-1449 Citations				s
	*	ed (original or copy rior application (37		14.	_ ,				
0.			Box 18 completed)	15. 🗆	(Should be specifically itemized)				
i. 🗀		OF INVENTOR		(if foreign priority is claimed)					
	named in the pr 1.63(d)(2) and 1	ior application, see 3	37 CFR	16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35					
6. 🗌 App	olication Data S	R 1.76	or its equivalent.  17.  Other:						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation-in-part (CIP)   of prior application No: /  Prior application information: Examiner   Group / Art Unit:  For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								iled nce.	
						1			
☑ Custon	ner Number or Ba	305 305 Insert Customer No. or At	or □ Correspondence address below 93 ttach bar code label here)						
Name	Harness, Dickey & Pierce, P.L.C.								
Address	P.O. Box 891	0							
City	Reston State			VA		Zip C	Code	20195	
Country	United States of America Telephone			703-668-8000			Fax	703-668-8200	
Name (Print/Type) Gary D. Yacura				Registration No. (Attorney/Agent) 35,416					
Signature		411	7			Date	August 19, 2003		
		<del></del>	VI	7					

1328 Ø PTO/SB/17 (10-01)
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FEE TO ANOMITTA		Complete if Known							
FEE TRANSMITTA for FY 2003	L	Application Number	NEW APPLICATION						
10f F 1 2003		Filing Date	August 19, 2003						
		Inventor(s)	Kang Soo SEO et al.						
Patent fees are subject to annual revis	sion.	Examiner Name	Unassigned						
		Group / Art Unit	Unassigned						
	100.00	Attacana Declarat No.	1740-000024/US						

TOTAL AMOUNT OF PAYMENT   (\$) 1,180.00						Allonley Docker No. 111 to 3332 1133							
METHOD OF PAYMENT (check one)					FEE CALCULATION (continued)								
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:							3. ADI	DITIONAL Large Entity	FEES	Small Entity		=	
Deposit					Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Pald			
Account 08-0750 Number				105	130	205	65	Surcharge - late filing fee or oath					
								50	227	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit Account Harness, Dickey & Pierce, P.L.C.						139	130	139	130	Non-English specification			
Name						147	2,520	147	2,520	For filing a request for reexamination			
☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17						112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
s	oplicant c ee 37 CF	R 1.27		y status.			113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
2. 🛛	Paymen	t Enclos	ed:				115	110	215	55	Extension for reply within first month		
⊠ CI	heck	☐ Cre	dit card	☐ Money Order	☐ Other		116	410	216	205	Extension for reply within second month		
			FEF C4				117	930	217	465	Extension for reply within third month		
FEE CALCULATION  1. BASIC FILING FEE						118	1,450	218	725	Extension for reply within fourth month			
Large	Entity S		Entity				128	1,970	228	985	Extension for reply within fifth month		
				Fee Description	Fee Pald		119	320	219	160	Notice of Appeal		
	,		(\$) 375	Utility filing fee	750	7	120	320	220	160	Filing a brief in support of an appeal		
				Design filing fee	750	┪	121	280	221	140	Request for oral hearing		
				Plant filing fee		1	138	1,510	138	1,510	Petition to institute a public use proceeding		
108	750 2			Reissue filing fee		_	140	110	240	55	Petition to revive - unavoidable		
114	160 2	214	80	Provisional filling fe	98		141	1,300	241	650	Petition to revive – unintentional		
SUBTOTAL (1) (\$) 750					142	1300	242	650	Utility issue fee (or reissue)				
		30	DIOIA				143	470	243	235	Design issue fee	<b>—</b> —	
2. EXTRA	CLAIN	FEES					144	630	244	315	Plant issue fee	<u> </u>	
					from Fee		122	130	122	130	Petitions to the Commissioner		
Total Claims	23	-20	** = [	Claims belo			123 126	50 180	123 126	50 180	Processing fee under 37 CFR 1.17 (q) Submission of Information Disclosure		
Independent Claims	7	-3	** =	4 X 8	4 = 336		""	100			Stmt Recording each patent assignment		
Multiple Dependent	0		•	×	= 0		581	40	581	40	per property (times number of properties)	40	
Large	Entity		Entit	у			146	750	246	375	Filing a submission after final rejection (37 CFR § 1.129(a))		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Descriptio			149	750	249	375	For each additional invention to be examined (37 CFR § 1.129(b))		
103	18	203	9	Claims in exces			179	750	279	375	Request for Continued Examination (RCE)		
102	84 280	202 204	42 140	•	tims in excess of 3 lent claim, if not pai	d	169	900	169	900	Request for expedited examination	$\vdash$	
104 109	280 84	209	42		pendent claims ove		109	500	103	300	of a design application		
110	18	210	9	• .	ns in excess of 20 a	ınd							
				Over onginal pa		_	Other	fee (speci	ity)	_			
			s	UBTOTAL (2)	(\$)390		1		<del></del>	F 5	CURTOTAL (2)		
						*Redu	uced by B	asıc Fili	ng ⊢ee F	Paid SUBTOTAL (3) (\$) 40			
**or numb	er previo	usly paid.	if greate	r; For Reissues, see	above		L						

SUBMITTED BY Complete (if applicable)										
Name (Print/Type)	Gary D. Yacura	Registration No. Attorney/Agent)	35,416	Telephone	703-668-8000					
Signature		Ailm		Date	August 19, 2003					